

§ 90.204

40 CFR Ch. I (7–1–04 Edition)

equal to zero, as determined under § 90.207. Notwithstanding the previous sentence, a manufacturer may project a negative balance of credits as allowed under § 90.207(c)(2).

(2) A manufacturer of an engine family with an FEL exceeding the applicable emission standard must obtain positive emission credits sufficient to address the associated credit shortfall via averaging, banking, or trading.

(3) A nonhandheld engine family with an FEL below the applicable emission standard may generate positive emission credits for averaging, banking, or trading, or a combination thereof. A handheld engine family with an FEL below the applicable emission standard may generate positive emission credits for averaging or trading. A handheld engine family meeting the requirements of § 90.205(a)(4) or (5), whichever is applicable, may generate positive emission credits for banking.

(4) In the case of a Selective Enforcement Audit (SEA) failure, credits may be used to cover subsequent production of engines for the family in question if the manufacturer elects to recertify to a higher FEL. Credits may not be used to remedy a nonconformity determined by an SEA, except that the Administrator may permit the use of credits to address a nonconformity determined by an SEA where the use of such credits is one component of a multi-part remedy for the previously produced engines and the remedy, including the use of credits and the quantity of credits being used, is such that the Administrator is satisfied that the manufacturer has strong and lasting incentive to accurately verify its new engine emission levels and will set or reset its FELs for current and future model years so that production line compliance is assured.

(5) In the case of a production line testing (PLT) failure pursuant to subpart H of this part, a manufacturer may revise the FEL based upon production line testing results obtained under subpart H of this part and upon Administrator approval pursuant to § 90.122(d). The manufacturer may use credits to cover both past production and subsequent production of the engines as needed as allowed under § 90.207(c)(1).

(f) No Phase 2 engine family may have a HC + NO_x FEL that is greater than 32.2 g/kW-hr for Class I engines, 94 g/kW-hr for Class I-A engines, 50 g/kW-hr for Class I-B engines, 26.8 g/kW-hr for Class II engines, 336 g/kW-hr for Class III engines, 275 g/kW-hr for Class IV engines, or 186 g/kW-hr for Class V engines.

(g)(1) Credits generated in a given model year by an engine family subject to the Phase 2 emission requirements may only be used in averaging, banking or trading, as appropriate, for any other engine family for which the Phase 2 requirements are applicable. Credits generated in one model year may not be used for prior model years, except as allowed under § 90.207(c).

(2) For the 2005 model year and for each subsequent model year, manufacturers of Class II engines must provide a demonstration that the production weighted average FEL for HC+NO_x (including NMHC+NO_x FELs), for all of the manufacturer's Class II engines, will not exceed 13.6 g/kW-hr for the 2005 model year, 13.1 g/kW-hr for the 2006 model year and 12.6 g/kW-hr for the 2007 and each subsequent Phase 2 model year. Such demonstration shall be subject to the review and approval of the Administrator, shall be provided at the time of the first Class II certification of that model year and shall be based on projected eligible production for that model year.

(h) Manufacturers must demonstrate compliance under the averaging, banking, and trading provisions for a particular model year by 270 days after the end of the model year. Except as provided in § 90.207(c), an engine family generating negative credits for which the manufacturer does not obtain or generate an adequate number of positive credits by that date from the same or previous model year engines will violate the conditions of the certificate of conformity. The certificate of conformity may be voided *ab initio* pursuant to § 90.123 for this engine family.

[64 FR 15239, Mar. 30, 1999, as amended at 65 FR 24308, Apr. 25, 2000; 69 FR 1833, Jan. 12, 2004]

§ 90.204 Averaging.

(a) Negative credits from engine families with FELs above the applicable

emission standard must be offset by positive credits from engine families having FELs below the applicable emission standard, as allowed under the provisions of this subpart. Averaging of credits in this manner is used to determine compliance under § 90.207(b). A manufacturer may have a negative balance of credits as allowed under § 90.207(c)(2).

(b) Cross-class averaging of credits is allowed across all classes of nonroad spark-ignition engines at or below 19 kW.

(c) Credits used in averaging for a given model year may be obtained from credits generated in the same model year by another engine family, credits banked in previous model years, or credits of the same or previous model year obtained through trading subject to the provisions of § 90.205(a). Credits generated under the previously available "Optional transition year averaging, banking, and trading program for Phase 2 handheld engines" of §§ 90.212 through 90.220, since repealed, may also be used in averaging. The restrictions of this paragraph notwithstanding, credits from a given model year may be used to address credit needs of previous model year engines as allowed under § 90.207(c).

(d) The use of credits generated under the early banking provisions of § 90.205(b) is subject to regulations under this subpart.

[64 FR 15239, Mar. 30, 1999, as amended at 65 FR 24308, Apr. 25, 2000; 69 FR 1834, Jan. 12, 2004]

§ 90.205 Banking.

(a)(1) Beginning August 1, 2007, a manufacturer of a Class I engine family with an FEL below the applicable emission standard for a given model year may bank credits in that model year for use in averaging and trading. For new Class I engine families initially produced during the period starting August 1, 2003 through July 31, 2007, a manufacturer of a Class I engine family with an FEL below the applicable emission standard for a given model year may bank credits in that model year for use in averaging and trading.

(2) Beginning with the 2000 model year, a manufacturer of a Class I-A or Class I-B engine family with an FEL

below the applicable emission standard for a given model year may bank credits in that model year for use in averaging and trading.

(3) Beginning with the 2001 model year, a manufacturer of a Class II engine family with an FEL below the applicable emission standard for a given model year may bank credits in that model year for use in averaging and trading.

(4) For the 2002 model year, a manufacturer of a Class III or Class IV engine family may bank credits for use in future model year averaging and trading from only those Class III or Class IV engine families with an FEL at or below 72 g/kW-hr. Beginning with the 2003 model year, a manufacturer of a Class III or Class IV engine family with an FEL below the applicable emission standard may generate credits for use in future model year averaging and trading.

(5) Beginning with the 2004 model year, a manufacturer of a Class V engine family with an FEL below the applicable emission standard may generate credits for use in future model year averaging and trading.

(6) Negative credits may be banked only according to the requirements under § 90.207(c).

(b)(1) For Class I engine families initially produced during the period beginning with the 1999 model year and prior to August 1, 2003, a manufacturer may bank early credits for engines with HC + NO_x FELs below 16.1 g/kW-hr. All early credits for such Class I engines shall be calculated against a HC + NO_x level of 20.5 g/kW-hr and may continue to be calculated against the 20.5 g/kW-hr level until August 1, 2007.

(2) Beginning with the 1999 model year and prior to the applicable date listed in paragraph (a) of this section for Class II engines, a manufacturer may bank early credits for all Class II engines with HC+NO_x FELs below 12.1 g/kW-hr. All early credits for Class II engines shall be calculated against a HC+NO_x level of 18.0 g/kW-hr.

(3) Beginning with the 2000 model year and prior to the applicable date listed in paragraph (a) of this section for Class III engines, a manufacturer may bank early credits for all Class III engines with HC+NO_x FELs below 72 g/